Form 3160 -3 (April 2004)

DEPARTMENT OF THE INTERIOR 2008 JAN 11 BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

5: Lease Serial No.

NMNM-013706 A

APPLICATION FOR PERMIT TO		REFNITER	CEIVE	26. If Indian, Allotee	or Tribe Name	•		
la. Type of work: DRILL REENT	Type of work: PRILL REENTER OTO FARMING ON AND REENTER 7. If Unit or CA Northeas 8. Lease Name							
lb. Type of Well: Oil Well Gas Well Other	Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone							
2. Name of Operator Devon Energy Production Company, I	L.P.			9. API Well No.	3 <u>9-29</u> 7	48		
3a. Address PO Box 6459 Farmington, NM 87419		10. Field and Pool, or E Basin Dakota /						
4. Location of Well (Report location clearly and in accordance with a At surface 1,245' FNL & 2,350' FWL, Unit C At proposed prod. zone 760' FNL & 755 FWL, Unit D, N	11. Sec., T. R. M. or Bl Sec. 20-T30N-7							
Distance in miles and direction from nearest town or post office* Approximately 27.5 miles				12. County or Parish Rio Arriba	13. State NM	•		
5. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 1,245'	16. No. of a	cres in lease		ng Unit dedicated to this w	reli	-		
Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, it.					I/BIA Bond No. on file			
1. Elevations (Show whether DF, KDB, RT, GL, etc.) GR 6,345'	22 Approxir	nate date work will sta 04/01/2006	-t* 	23. Estimated duration Unknown	1 Fax	_		
	24. Attac	hments						
he following, completed in accordance with the requirements of Onsh	ore Oil and Gas	Order No.1, shall be a	tached to th	iis form:				
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	a Lands, the	Item 20 above). 5. Operator certific	ation specific inf	ons unless covered by an or	, ,			
5. Signature M.S. Ki		(Printed/Typed) Melisa Zimmermar			Date 1-6-06	:		
itle Senior Operations Technician								
approved by (Signature) Montlee 196	Name	(Printed/Typed)			Date Substitution	L		
itle AFM	Office	FFO			77. 7)		
Application approval does not warrant or certify that the applicant ho onduct operations thereon. Conditions of approval, if any, are attached.	lds legal or equi	table title to those righ	ts in the sul	bject lease which would er	ntitle the applicant to	-		
Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations a	crime for any post to any matter w	erson knowingly and vithin its jurisdiction.	villfully to 1	nake to any department of	r agency of the United	-		

*(Instructions on page 2)

HOLD CTHE POR dike tional sorvey

This action is subject to technical and procedural review pursuant to 43 CFB 3165.3 and appeal pursuant to 43 CFB 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REGUINED" IN S".

District 1
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV

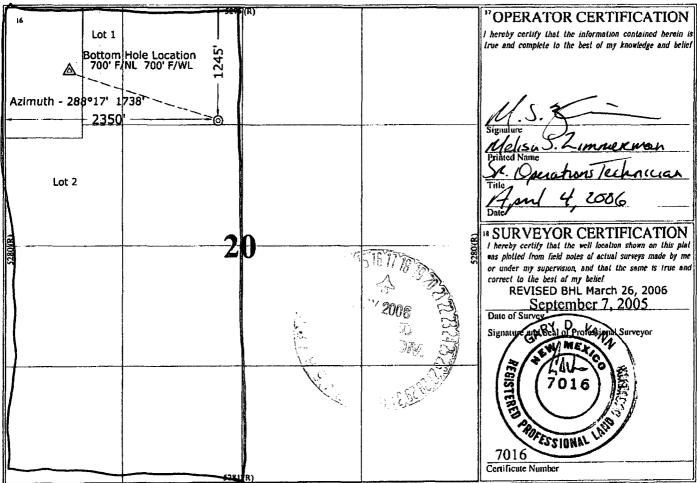
PO Box 2088, Santa Fc, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

		WEL	L LO	CATION	AND A	CRE	EAGE DEDIC	ATION F	PLAT			
<i>3e</i>	API Number	29748	715	2 Pool Code		3.	Basin Dakota /Blano Mescuerde					
* Property /944(Code	NI	EBU		\$ p	5 Property Name					Well Number # 13M	
1 OGRID	No.	De	von E	nergy P		on C	Company, L.P.	•			Elevation 6345	
							ocation					
UL or List No.	Section 20	Township 30 N	Range 7 W	Lot Idn Peet from the 1245			North/South line NORTH	Feet from the 2350		st/West time WEST	County Rio Arriba	
		<u> </u>	" Bott	om Hole	Location	n If	Different Fron	Surface	·			
TUL ar lat no.	Section 20	Township 30 N	Range 7 W	700 NORTH 700 WEST						Rio Arriba		
Dedicated Acres	Dedicated Acres 13 John or Infill 14 Consolidation Code 15 Order No.						· · · ·					
NO ALLO	WABLE \		ON-ST	ANDARD			ON UNTIL ALL I EN APPROVED				NSOLIDATED	
i6 <u>A</u>	700' F/	Hole Location	5. - -	(R)				/ here	by certify t	that the informa	TIFICATION tion contained herein is my knowledge and belief	

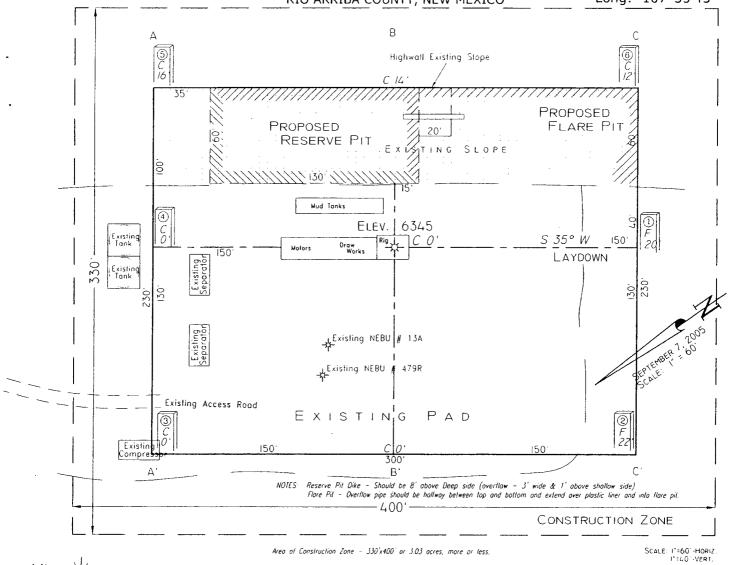


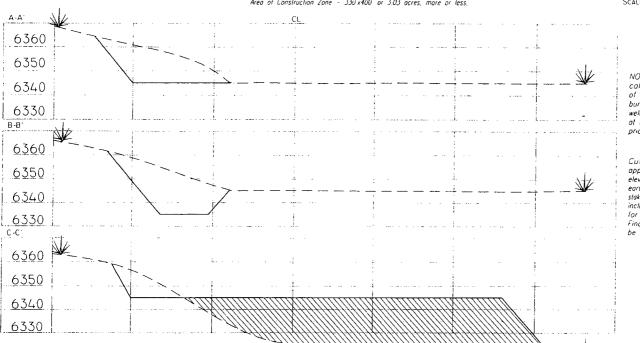
(R) - GLO Record

Submit 3 Copies To Appropriate District Office	State of I			Form C	
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals	and Natu	ral Resources	WELL API NO.	, 2004
District II	OIL CONSERV	ATION	DIVISION	30-039-29748	
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South			5. Indicate Type of Lease STATE FEE FEE	
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe	, NM 87	505	6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM 87505					
SUNDRY NOTICE	S AND REPORTS ON			7. Lease Name or Unit Agreement Na	me
(DO NOT USE THIS FORM FOR PROPOSAL DIFFERENT RESERVOIR. USE "APPLICAT				NORTHEAST BLANCO UNIT	
PROPOSALS.) 1. Type of Well:				8. Well Number	
Oil Well Gas Well Ot	her			13M	
2. Name of Operator				9. OGRID Number	
3. Address of Operator	y Production Compa	ny, L.P.		6137 10. Pool name or Wildcat	
PO Box 6459, Navajo Dam, NM 874	419			Basin Dakota / Blanco Mesaverde	
4. Well Location		· · · · · · · · · · · · · · · · · · ·			
Unit Letter C _ : _1,245'	feet from the Nor	th line:	and 2.350' fee	t from the West line	
Omt Letter1,245		m mic	and2,5501cc	mon thewestthe	
Section 20 Township			NMPM	County - Rio Arriba	
	1. Elevation (Show what 6,345)	ether DR,	RKB, R1, GR, etc.)	one is the	
Pit or Below-grade Tank Application (For pit		res, a form	C-144 must be attached	D	
Pit Location: UL_CSect_20_Twp_30N_					00'_
Distance from nearest surface water_>1000'			SectTwp_	Rng;	Ì
feet from theline and	feet from the	_line			
12 (1 1 4	·	1' . 3.7	Carri		
NOTICE OF INTE		licate N		Report or Other Data SEQUENT REPORT OF:	
PERFORM REMEDIAL WORK P			REMEDIAL WORK		: 🗆
TEMPORARILY ABANDON 🔲 C	HANGE PLANS		COMMENCE DRII	LING OPNS. PLUG AND ABANDONMENT	
	IULTIPLE		CASING TEST AN		
C	OMPLETION		CEMENT JOB		
OTHER: CONSTRUCT DRILLING PIT			OTHER:		
13. Describe proposed or complete	d operations. (Clearly	state all p	pertinent details, and	give pertinent dates, including estimate ach wellbore diagram of proposed comp	d date
or recompletion.	. SEE ROLL 1103. F	or ividitip	ic Completions. Att	ach wendore diagram of proposed conf	лецоп
14.					
with the NMOCD regula				re of said pit will be in accordan	ıce
with the NMOCD regula	mons with the cut	ung or	me mier appryn	ig to the BLM rules.	
I hereby certify that the information abo grade tank has been/will be constructed or clos	ve is true and complete	e to the be	est of my knowledge	and belief. I further certify that any pit or	below-
11/10/11/11					
SIGNATURE . S. C.		TITLE	Sr. Operations Tech	nician DATE 1-6-6	<u> </u>
Type or print name Melisa Zimmerma	an E-mail addres	s: Melisa	n.zimmerman@dvn.	com Telephone No. 405-552-7917	
(This space for State use)	•				
ADDROVED BY		APPEN	ITY OIL & GAS INSP	ATEM DAST. 200 _ NAME OF A PA	जन्मल -
APPPROVED BY Conditions of approval, if any:		TLEUERU	IN ONE O DAY INDE	DATE MAY 17	<u> </u>

PAD LAYOUT PLAN & PROFILE DEVON ENERGY PRODUCTION COMPANY, L.P.

Nebu # 13M 1245' F/NL 2350' F/WL SEC. 20, T30N, R7W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO Lat: 36.6080° Long: 107.5953° Lat: 36°48'07" Long: 107°35'43"





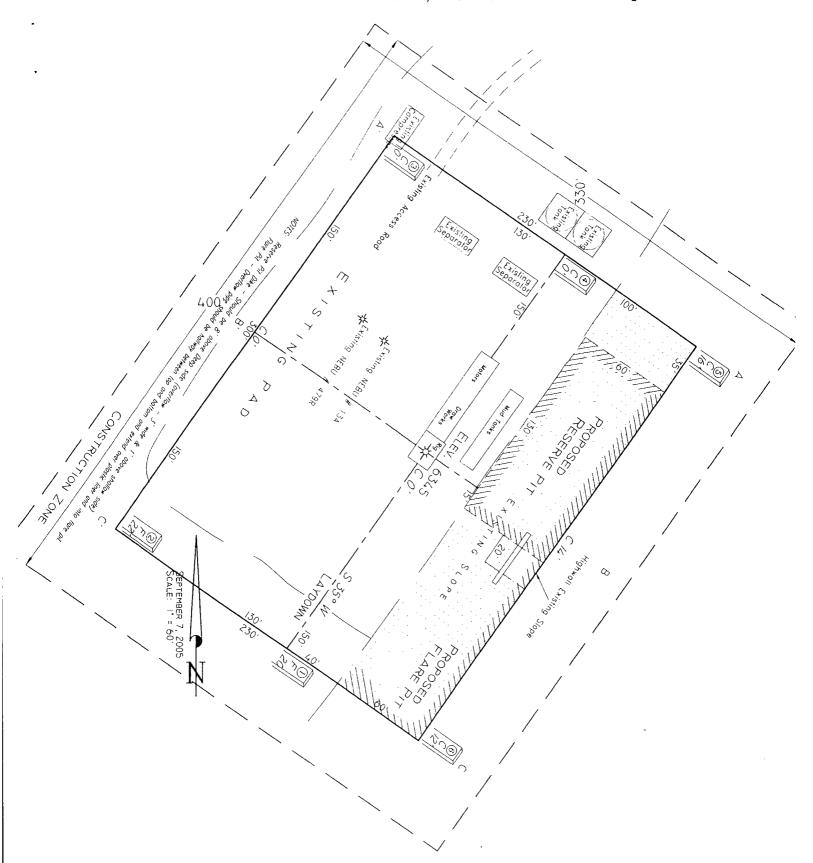
NOTE Contractor should coll One-Coll for location of any marked or location of any marked price pipelines or cables on well pod and/or access road at least two (2) working days prior to construction.

Cuts and fills shown are approximate – final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sidestopes and drainages final Pad Dimensions are to be verified by Contractor

VANN SURVEYS P. O. Box 1306 Farmington, NM

PAD LAYOUT PLAN & PROFILE DEVON ENERGY PRODUCTION COMPANY, L.P.

Nebu # 13M 1245' F/NL 2350' F/WL SEC. 20, T30N, R7W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO Lat: 36.6080° Long: 107.5953° Lat: 36°48'07" Long: 107°35'43"



NEBU 13M Unit C 20-30N-7W San Juan Co., NM

DRILLING PLAN

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	TVD (6)	TMD (ft)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	Surface	
Ojo Alamo	2241	2717	Aquifer
Kirtland	2356	2862	
Fruitland	2764	3327	Gas
Pictured Cliffs Main	3274	3853	Gas
Lewis	3360	3939	Gas
Intermediate TD	3460	4039	
Huefanito Bentonite	3956	4535	Gas
Chacra / Otera	4323	4902	Gas
Cliff House	5114	5693	Gas
Menefee	5177	5756	Gas
Point Lookout	5473	6052	Gas
Mancos	5827	6406	Gas
Gallup	6767	7346	Gas
Greenhorn	7463	8042	
Graneros	7518	8097	Gas
Dakota	7636	8215	Gas
Paguate	7652	8231	
Cubero	7694	8273	
Encinal Canyon	7746	8325	
Lower Encinal Canyon	7786	8365	
	7816	8395	

Burro Canyon			
Morrison	7866	8445	
TD	7916	8495	

^{*}All shows of fresh water and minerals will be adequately protected and reported.

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 2M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram, which shows the size, and pressure ratings.

• 2000# BOP With Pipe Rams and 2000# BOP With Blind Rams

Auxiliary equipment to be used:

• Upper kelly cock with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) or 70% of the internal yield pressure (without a test plug) at:

- Initial installation
- Whenever any seal subject to test pressure is broken
- Following related repairs
- At 30 day intervals

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew. All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to close all rams and retain 200 psi above precharge pressure without the use of closing unit pumps.

Master controls will be at the accumulator. Anticipated bottom hole pressure is 3400 psi.

3. Casing & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

TVD	TMD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285'	0-285'	12- 1/4"	9-5/8"	H-40	32#	STC	New

0-3460	0-4446	8-3/4"	7"	K-55	23#	LTC	New
0- TD	0- TD	6-1/4"	4-1/2"	J-55	11.6#	LTC	New

The 9-5/8" surface pipe will be tested to 750 psi. All casing strings below the surface shoe shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

<u>Surface</u>: The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every joint thereafter (Total 5 centralizers estimated)

<u>Intermediate</u>: The bottom three joints of the 7" casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

<u>Production</u>: The bottom three joints will have a minimum of one centralizer per joint and one centralizer every fifth joint to 3500' (estimated 25 centralizers used). Centralizers will be open bow spring or basket bow spring type.

B. The proposed cementing program will be as follows:

Surface String:

Cement will be circulated to surface.

Lead: 200 sx Class "B" with 100% Standard Cement, 2.00% CaCl2, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.24 gal/sx

* Minor variations possible due to existing conditions

Intermediate String:

Cement will be circulated to surface.

Lead: 500 sx 50/50 Poz, Yd-1.45, Water Gal/sx 6.8, Mixed @ 13ppg Foamed W/ N2 Down To 9.0# Additives 2% Gel, 0.2% Versaset. 0.1% Diacel Lwl.

Tail: 75 sx 50/50 Poz, Yd-1.45, Water Gal/Sk 6.8, Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl.

* Minor variations possible due to existing conditions

If hole conditions dictate, an alternate, cement design will be used:

Lead: 575 sx 50/50 Poz with 50% Class B Cement, 50% San Juan Poz, .4% Halad-344, .1% CFR-3, 3% Bentonite, 5#/sx Gilsonite, .25#/sx Flocele. Density: 13.0 lb/gal; Yield: 1.46 cuft/sx; Water: 6.42 gal/sx

Tail: 75 sx 50/50 Poz with 94#/sx Standard Cement, 0.3% Halad-344, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.23 gal/sx

* Minor variations possible due to existing conditions

Production String:

TOC designed to circulate 1000' into intermediate string, cement will tie into the intermediate casing as a minimum. Volumes may vary with actual well characteristics.

Lead: 250 sx 50/50 Poz with 2% Gel, 0.2% Halad, 0.1% CFR-3, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Mixed at 13 ppg, 1.47 ft 3/sx foamed to 9 ppg, 2.18 ft 3/sx.

Tail: 450 sx 50/50 Poz with 50% Standard Cement, 50% San Juan Poz, 3% Bentonite, 1.40% Halad-9, .10% CFR-3, .10% HR-5, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Density: 13.0 lb/gal; Yield: 1.47 cuft/sx; Water: 6.35 gal/sx *

* Minor variations possible due to existing conditions

Actual volumes will be calculated and adjusted with caliper log prior to cementing.

4. DRILLING FLUIDS PROGRAM:

TVD Interval	TMD Interval	Type	Weight (ppg)	Viscosity	рН	Water Loss	Remarks
0-285'	0-285'	Spud- foam	8.4-9.0	29-70	8.0	NC	FW gel, LSND or stiff foam
285'-3,460'	285'-4,446'	Air				NC	
3,460' - TD	4,446' - TD	Air/N2 or Mud	8.5-9.0*	30-50	8.0-10.0	8-810cc @ TD	Low solids- non-dispersed. * min Wt. to control formation pressure

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

5. EVALUATION PROGRAM:

Logs:

Density

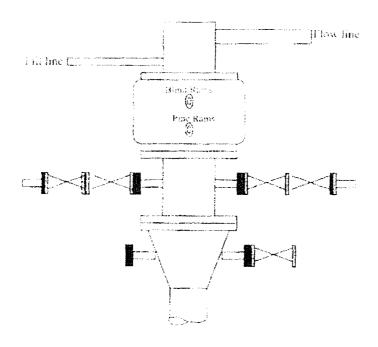
Neutron Induction

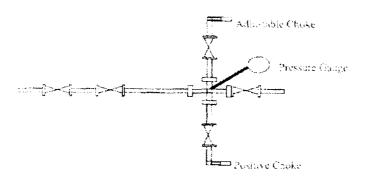
In the event open hole logs are not run in the well, a cased hole evaluation log will Be run.

Survey:

Deviation surveys will be taken every 500' from 0-TD or first succeeding bit change. The hole will be air drilled from intermediate casing point to TD. The equipment used in this type of operation will not allow for single shot surveys without considerable operational delays. A survey will be taken at TD. Similar wells in this area have not shown significant deviation in this section of the hole.

Well Control Equipment 2,000 psi Configuration



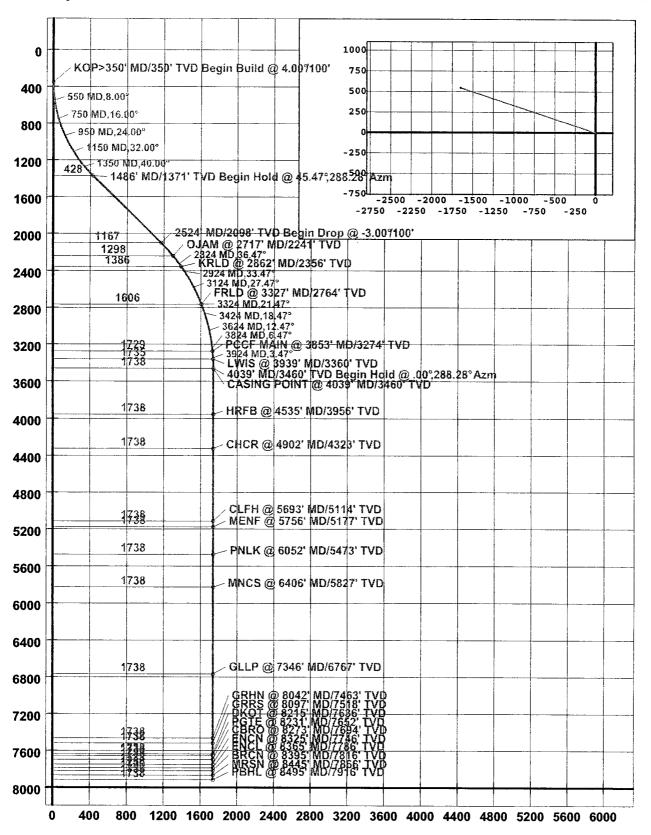


MI well control equipment designed to meet or exceed the Onshote Oil and Clas Order No. 2, B1 M 43 CFR 1130 requirements for 2M systems.

Company: Devon Energy Lease/Well: NEBU 13 M Location: Rio Arriba County

State/Country: NM





Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

BUREAU OF LAND MANAGEMENT Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELLS 63 If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or topre-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE- Other instructions on reverse side. Northeast Blanco Unit 1. Type of Well **Gas** Well Other Well Name and No. **NEBU 13M** 2. Name of Operator Devon Energy Production Company, L.P. API Well No 3a Address 3b. Phone No. (include area code) PO Box 6459, Navajo Dam, NM 87419 505-632-0244 10. Field and Pool, or Exploratory Area Basin Dakota / Blanco Mesaverde 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State 1,245' FNL & 2,350' FWL, NE NW, Unit C, Sec. 20, T30N- R7W (5 H L) 700' FNL & 700' FNL Let/ Rio Arriba, NM 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Acidize Production (Start/Resume) Water Shut-Off Deepen Notice of Intent Alter Casing Well Integrity Fracture Treat Reclamation ✓ Other Survey Change Casing Repair New Construction Recomplete ___Subsequent Report Change Plans Temporarily Abandon Plug and Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) Devon Energy Production Company, L.P. gives notification of Drilling Survey change. Attached is a copy of the new Survey, Plot, Drilling Plan, and C-102. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Melisa Zimmerman Title Senior Operations Technician Signature THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

which would entitle the applicant to conduct operations thereon.